



*Optimal Solutions for the Future*

# Mynx 9500



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**Vertical Machining  
Center for Large  
Works**

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**Mynx 9500**

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ver. EN 150728 SU

Spindle

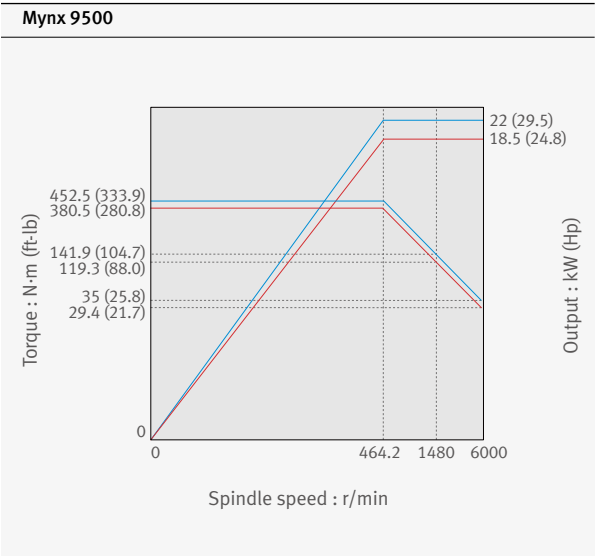
The Mynx 9500 is equipped with a high-torque, high-speed spindle line-up.



Description	Unit	Mynx 9500
Max. Speed	r/min	6000 {10000}*
Tool Specifications	-	ISO #50, 7/24
Motor Power (30 min/cont.)	kW (Hp)	22 / 18.5 {30 / 25}* (29.5 / 24.8 {40.2 / 33.5})
Max. Torque	N·m (ft·lb)	452.5 (333.9)
Spindle Type	-	2-step gear type (Built-in)

\* { } Optional

Power-Torque Diagram (2-step gear type)



# Mynx 9500

High Rigidity & High Productivity Vertical Machining Center for Large Works

The Mynx 9500, a vertical machining center designed for the processing of large general parts, is equipped with box guideways for all axes, a high-torque gear-type spindle for heavy duty cutting, a servo-driven magazine for reduced idling time and a 4-row screw conveyor to improved chip disposal. We will provide customers with unprecedentedly high productivity and even greater added value.

### Magazine

The servo magazine minimized tool change time and noise.



Description	Unit	Mynx 9500
Number of tools	ea	30 {40}*
Max. tool weight	kg (lb)	15 (33.1)
Max. tool diameter (w/o adjacent tool)	mm (inch)	125 {230}* (4.9 {9.1})
Max. tool length	mm (inch)	350 (13.8)
Tool change time	sec	2.5

\* { } Optional

### Improved Chip Disposal



Chip disposal performance has been enhanced by the adoption of a 4-row screw conveyor.

### Optimized Specifications for Large Works

- Longer travel distance (X / Y / Z)
  - 2500 mm / 950 mm / 850mm  
(98.4 inch / 37.4 inch / 33.5 inch )
- Table Loading Capacity
  - 3500 kg (7716.1 lb)

### High Durability and Stable Accuracy Achieved by High-Rigidity Structure

- High-rigidity box guideways for all axes
- 4-row box guideway structure on Y-axis
- Arch-type design

### High Productivity and Reliability Secured with a Wide Spindle Line-up and Improved Quality

- Dual contact tool system
- High torque, high speed spindle line-up
  - Gear type: 6000 r/min
  - Built-in type: 10000 r/min
- Servo magazine

## Main Specifications

### Mynx 9500



Description		Unit	Mynx 9500
Travel distance	X / Y / Z axis	mm (inch)	2500 / 950 / 850 (98.4 / 37.4 / 33.5)
Table	Table size	mm (inch)	2500 X 950 (98.4 X 37.4)
	Loading capacity	kg (lb)	3500 (7716.1)
Main Spindle	Max. spindle speed	r/min	6000 {10000}*
	Tool specification	-	ISO #50, 7/24 TAPER
Motor	Motor power	kW (Hp)	22 / 18.5 {30 / 25}* (29.5 / 24.8 {40.2 / 33.5})
ATC	Tool storage capacity	ea	30 {40}*
NC system		-	DOOSAN-FANUC i

\* { } Optional

#### Standard Feature

Tool box  
Coolant tank and chip pan  
Safety door interlock  
Flood coolant system  
Installation parts  
Screw conveyor  
3-color warning lamp (Red / Yellow / Green)  
Portable MPG  
Splash guard  
Work light  
X, Y, Z Absolute pulse coder  
Spindle cooling system

#### Optional Feature

4-axis additional controller  
Auto power off  
Auto tool length measurement  
Auto work space measurement  
Chip conveyor & bucket  
EZ Guide i  
Minimum Quantity Lubrication (MQL)  
Oil skimmer  
Shower coolant system  
Test bar  
Through-spindle coolant system



## Doosan Machine Tools

<http://www.doosanmachinetools.com>

### Optimal Solutions for the Future

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\* For more details, please contact Doosan.

\* The specifications and information above-mentioned may be changed without prior notice.